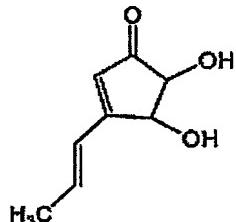


【CLAIMS】**【Claim 1】**

A melanin biosynthesis inhibitor containing
terrein compound represented by the following formula 1
5 as an effective ingredient.

<Formula 1>



10 **【Claim 2】**

The melanin biosynthesis inhibitor as set forth
in claim 1, wherein the melanin biosynthesis inhibitor
is used as a skin trouble treating agent.

15 **【Claim 3】**

The melanin biosynthesis inhibitor as set forth
in claim 1, wherein the melanin biosynthesis inhibitor
is used as a skin whitening agent.

【Claim 4】

The melanin biosynthesis inhibitor as set forth in claim 1, wherein the melanin biosynthesis inhibitor is used as a browning inhibitor.

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【Claim 5】

A preparation method for terrein compound comprising the following steps:

Culturing *Penicillium* sp strain KCTC 26245 (step
10 1);

Obtaining the strain or its culture fluid from the above step 1 (step 2);

Obtaining ethyl acetate extract from the above strain or the culture fluid (step 3); and

15 Obtaining terrein compound of claim 1 by column chromatography with the ethyl acetate extract (step 4).

【Claim 6】

The preparation method as set forth in claim 5,
20 wherein the step 4 comprises the following two sub-steps:

Obtaining fractions by separating ethyl acetate extract prepared in step 3 through silica gel column

chromatography using a mixed solvent of CHCl₃ and methanol as a moving phase (step 4-1); and

Obtaining terrein compound of the present invention by separating the fractions through sephadex-

5 LH₂O column chromatography using methanol as a moving phase (step 4-2).